

20-8625

20-8583



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

646.3711

Job Sheet 211965



Part No: 646.3711

Job Qty: 12 pcs

Part Name: Clip



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 7/31/20

Job Tracking No:

Due Date: 8/25/20

Created By: Marie Lajeunesse

Type: Stock

Description: SIOP

Note: DWG REV A IPP REV:A 12.11.23 NEW ISSUE DD VERF:JLM

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation           | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off    |
|-------|---------------------|--------|------------|----------|-----------|---------|-----------------------|-----------|-------------|
|       |                     |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |             |
| 110   | Waterjet - Flow - 1 | 12 pcs |            | 8/17/20  | 0.17      | 0.73    | Waterjet - Flow       |           | on 20/08/25 |
| 120   | QC 2                | 12 pcs |            | 8/17/20  | 0.00      | 0.00    | QC 2 - 1              |           |             |
|       |                     |        |            |          |           |         | QC 2 - 12             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 14             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 17             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 19             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 2              |           |             |
|       |                     |        |            |          |           |         | QC 2 - 20             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 22             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 23             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 25             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 32             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 33             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 35             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 39             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 4              |           |             |
|       |                     |        |            |          |           |         | QC 2 - 40             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 44             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 45             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 48             |           | on 20/08/25 |
|       |                     |        |            |          |           |         | QC 2 - 49             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 50             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 51             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 52             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 57             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 62             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 63             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 8              |           |             |
|       |                     |        |            |          |           |         | QC 2 - 66             |           |             |
|       |                     |        |            |          |           |         | QC 2 - 64             |           |             |

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|                                |           |         |           |                             |                                            |  |
|--------------------------------|-----------|---------|-----------|-----------------------------|--------------------------------------------|--|
|                                |           |         |           |                             | QC 2 - 65                                  |  |
|                                |           |         |           |                             | QC 2 - 5                                   |  |
|                                |           |         |           |                             | QC 2 - 71                                  |  |
|                                |           |         |           |                             | QC 2 - 73                                  |  |
|                                |           |         |           |                             | QC 2 - 69                                  |  |
|                                |           |         |           |                             | QC 2 - 76                                  |  |
|                                |           |         |           |                             | QC 2 - 86                                  |  |
|                                |           |         |           |                             | QC 2 - 83                                  |  |
|                                |           |         |           |                             | QC 8 - 12                                  |  |
|                                |           |         |           |                             | QC 8 - 14                                  |  |
|                                |           |         |           |                             | QC 8 - 17                                  |  |
|                                |           |         |           |                             | QC 8 - 20                                  |  |
| 130 QC 8                       | 12<br>pcs | 8/17/20 | 0.00 0.00 | QC 8 - 25                   |                                            |  |
|                                |           |         |           | QC 8 - 3                    |                                            |  |
|                                |           |         |           | QC 8 - 32                   |                                            |  |
|                                |           |         |           | QC 8 - 33                   |                                            |  |
|                                |           |         |           | QC 8 - 35                   |                                            |  |
|                                |           |         |           | QC 8 - 39                   |                                            |  |
|                                |           |         |           | QC 8 - 4                    |                                            |  |
|                                |           |         |           | QC 8 - 44                   |                                            |  |
|                                |           |         |           | QC 8 - 45                   |                                            |  |
|                                |           |         |           | QC 8 - 49                   |                                            |  |
|                                |           |         |           | QC 8 - 58                   |                                            |  |
|                                |           |         |           | QC 8 - 8                    |                                            |  |
|                                |           |         |           | QC 8 - 9                    |                                            |  |
|                                |           |         |           | QC 8 - 68                   |                                            |  |
|                                |           |         |           | QC 8 - 67                   |                                            |  |
|                                |           |         |           | QC 8 - 1 (A)                |                                            |  |
|                                |           |         |           | QC 8 - 47                   |                                            |  |
|                                |           |         |           | QC 8 - 40                   |                                            |  |
|                                |           |         |           | QC 8 - 52                   |                                            |  |
|                                |           |         |           | QC 8 - 23                   |                                            |  |
|                                |           |         |           | QC 8 - 57                   |                                            |  |
|                                |           |         |           | QC 8 - 76                   |                                            |  |
|                                |           |         |           | QC 8 - 61                   |                                            |  |
|                                |           |         |           | QC 8 - 66                   |                                            |  |
|                                |           |         |           | QC 8 - 73                   |                                            |  |
|                                |           |         |           | QC 8 - 82                   |                                            |  |
| 140 Small Fab - Brake NC - B4B | 12<br>pcs | 8/17/20 | 0.04 0.57 | Small Fab - Brake - 1 - B4B |                                            |  |
|                                |           |         |           | Small Fab - Brake - 2 - B4B |                                            |  |
|                                |           |         |           | Small Fab - Brake - 3 - B4B |                                            |  |
| 150 QC 5                       | 12<br>pcs | 8/17/20 | 0.00 0.00 | QC 5 - 10                   |                                            |  |
|                                |           |         |           | QC 5 - 12                   |                                            |  |
|                                |           |         |           | QC 5 - 17                   |                                            |  |
|                                |           |         |           | QC 5 - 18                   |                                            |  |
|                                |           |         |           | QC 5 - 19                   |                                            |  |
|                                |           |         |           | QC 5 - 22                   |                                            |  |
|                                |           |         |           | QC 5 - 24                   |                                            |  |
|                                |           |         |           | QC 5 - 3                    |                                            |  |
|                                |           |         |           | QC 5 - 43                   |                                            |  |
|                                |           |         |           | QC 5 - 49                   |                                            |  |
|                                |           |         |           | QC 5 - 51                   |                                            |  |
|                                |           |         |           | QC 5 - 58                   |                                            |  |
|                                |           |         |           | QC 5 - 68                   |                                            |  |
|                                |           |         |           | QC 5 - 9                    |                                            |  |
|                                |           |         |           | QC 5 - 50                   |                                            |  |
|                                |           |         |           | QC 5 - 30                   |                                            |  |
|                                |           |         |           |                             | Plex 7/31/20 1:35 PM Dart.lajeunesse.marie |  |

  
 AUG 26 2020

  
 SEP 11 2020

|                                   |        |         |           |  |                          |               |
|-----------------------------------|--------|---------|-----------|--|--------------------------|---------------|
|                                   |        |         |           |  | QC 5 - 40                |               |
|                                   |        |         |           |  | QC 5 - 61                |               |
|                                   |        |         |           |  | QC 5 - 81                |               |
|                                   |        |         |           |  | QC 5 - 82                |               |
|                                   |        |         |           |  |                          | SEP 14 2020   |
| 155 Handfinish - 2-1 Pressure-B4B | 12 pcs | 8/18/20 | 0.00 1.00 |  | Handfinish - 2 - 1 - B4B |               |
|                                   |        |         |           |  | Handfinish - 2 - 2 - B4B |               |
|                                   |        |         |           |  | Handfinish - 2 - 3 - B4B |               |
|                                   |        |         |           |  | Handfinish - 2 - 4 - B4B |               |
| 160 Outsource - 4 - Anodize       | 12 pcs | 8/25/20 |           |  | ATG001-VC                | 5 SEP 30 2020 |
| 170 Packaging 2-1 - Receive - B4B | 12 pcs | 8/25/20 | 0.00 0.00 |  | Packaging 2 - 1 - B4B    |               |
|                                   |        |         |           |  | Packaging 2 - 2 - B4B    |               |
|                                   |        |         |           |  | Packaging 2 - 3 - B4B    |               |
|                                   |        |         |           |  | Packaging 2 - 5 - B4B    |               |
|                                   |        |         |           |  | Packaging 2 - 4 - B4B    |               |
|                                   |        |         |           |  | Packaging 2 - 6 - B4B    |               |
|                                   |        |         |           |  | Packaging 2 - 7 - B4B    |               |
|                                   |        |         |           |  | Packaging 2 - 8 - B4B    |               |
|                                   |        |         |           |  | Packaging 2 - 9 - B4B    |               |
|                                   |        |         |           |  | Packaging 2 - 10 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 11 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 12 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 13 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 14 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 15 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 16 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 17 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 18 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 19 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 20 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 21 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 22 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 23 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 24 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 25 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 26 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 27 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 28 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 29 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 30 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 31 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 32 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 33 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 34 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 35 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 36 - B4B   |               |
|                                   |        |         |           |  | Packaging 2 - 37 - B4B   |               |
| 180 QC 5                          | 12 pcs | 8/25/20 | 0.00 0.00 |  | QC 5 - 10                |               |
|                                   |        |         |           |  | QC 5 - 12                |               |
|                                   |        |         |           |  | QC 5 - 17                |               |
|                                   |        |         |           |  | QC 5 - 18                |               |
|                                   |        |         |           |  | QC 5 - 19                |               |
|                                   |        |         |           |  | QC 5 - 22                |               |
|                                   |        |         |           |  | QC 5 - 24                |               |
|                                   |        |         |           |  | QC 5 - 3                 |               |
|                                   |        |         |           |  | QC 5 - 43                |               |
|                                   |        |         |           |  | QC 5 - 49                |               |
|                                   |        |         |           |  | QC 5 - 51                |               |
|                                   |        |         |           |  | QC 5 - 58                |               |

|                                 |                                 |         |           |                        |             |
|---------------------------------|---------------------------------|---------|-----------|------------------------|-------------|
| 210 Packaging 3-1 - Stock - B4B | 12<br>pcs<br><i>9 pcs. m/KD</i> | 8/25/20 | 0.00 0.00 | QC 5 - 68              |             |
|                                 |                                 |         |           | QC 5 - 9               |             |
|                                 |                                 |         |           | QC 5 - 50              |             |
|                                 |                                 |         |           | QC 5 - 30              |             |
|                                 |                                 |         |           | QC 5 - 40              | DAS         |
|                                 |                                 |         |           | QC 5 - 61              | 82          |
|                                 |                                 |         |           | QC 5 - 81              | 9-89        |
|                                 |                                 |         |           | QC 5 - 82              | OCT 06 2020 |
|                                 |                                 |         |           | Packaging 3 - 1 - B4B  |             |
|                                 |                                 |         |           | Packaging 3 - 2 - B4B  |             |
|                                 |                                 |         |           | Packaging 3 - 3 - B4B  |             |
|                                 |                                 |         |           | Packaging 3 - 4 - B4B  |             |
|                                 |                                 |         |           | Packaging 3 - 5 - B4B  | DAS         |
| 220 QC 21 - SA                  | 12<br>pcs                       | 8/25/20 | 0.00 0.00 | Packaging 3 - 6 - B4B  | 28          |
|                                 |                                 |         |           | Packaging 3 - 7 - B4B  | 9-89        |
|                                 |                                 |         |           | Packaging 3 - 8 - B4B  |             |
|                                 |                                 |         |           | Packaging 3 - 9 - B4B  |             |
|                                 |                                 |         |           | Packaging 3 - 10 - B4B | OCT 14 2020 |
|                                 |                                 |         |           | Packaging 3 - 11 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 12 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 13 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 14 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 15 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 16 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 17 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 18 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 19 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 20 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 21 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 22 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 23 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 24 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 25 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 26 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 27 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 28 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 29 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 30 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 31 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 32 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 33 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 34 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 35 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 36 - B4B |             |
|                                 |                                 |         |           | Packaging 3 - 37 - B4B |             |
| 220 QC 21 - SA                  | 12<br>pcs                       | 8/25/20 | 0.00 0.00 | QC 21 - SA - 21        | DAS         |
|                                 |                                 |         |           | QC 21 - SA - 70        | 21          |
|                                 |                                 |         |           | QC 21 - SA - 9         | 9-89        |
|                                 |                                 |         |           | QC 21 - SA - 77        | OCT 14 2020 |

Part Op 110 - (Waterjet - Flow) 1-Cut as per Dwg  
 Descriptions: 120 - (QC2- Inspect parts off machine FAI/FAIB)  
 130 - (QC8- Inspect parts - second check)  
 140 - (Form as per dwg)  
 150 - (QC5- Inspect part completeness to step on W/O)  
 155 - (Pressure Wash per QSI005 4.3/ Clean and remove all markings) **CLEAN AND REMOVE ALL MARKINGS**  
 160 - (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG : \_\_\_\_\_ Hard Black Anodize and  
 Prime as per Dwg 646.3700 Rev. A  
 170 - (Receive & Inspect for Damage & Mat'l Certs)  
 180 - (QC5- Inspect part completeness to step on W/O)  
 210 - (Identify as per dwg & Stock Location: \_\_\_\_\_) \*\*\*IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND

REV\*\*\*

220 - (QC21- Final Inspection - Work Order Release)

**Job BOM**

| Part / Item  | Component Name     | Quantity           | Operation               | Container |
|--------------|--------------------|--------------------|-------------------------|-----------|
| M6061T6S.063 | 6061-T6 .063 Sheet | .4320 sf (.036 ea) | 110-Waterjet - Flow - 1 | S227116   |

**Job Allocations**

| Operation               | Component Part | Required | Inventory | Allocated |
|-------------------------|----------------|----------|-----------|-----------|
| 110-Waterjet - Flow - 1 | M6061T6S.063   | 0        | 154       | 0         |

**Part Specifications**

| Spec No | Description | Target/Tolerance | Limits | Type | Special Comments |
|---------|-------------|------------------|--------|------|------------------|
| 1       | Clip        | 1Inches ± 0      | 1<br>1 |      |                  |
| 2       | Clip        | 2Inches ± 0      | 2<br>2 |      |                  |
| 3       | Clip        | 3Inches ± 0      | 3<br>3 |      |                  |
| 4       | Clip        | 0Inches ± 0      | 0<br>0 |      |                  |

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Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## POHB047213



**Supplier:** ATG001-VC  
A.T.G. Industries Inc  
760 INDUSTRIELLE STREET  
ROCKLAND  
ON  
K4K 1T2 Canada  
Phone: 613-446-4544  
Fax: 613-446-4556

**Attention:** Lalonde, Marc-Andre

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** POHB047213

**PO Date:** 9/30/20

**Due Date:** 10/1/20

**Purchase Order  
Revision:**

**Revision Date:**

**Issued By:** Lussier, Patrick  
Phone: 613-632-5200 Ext: 276  
plussier@dartaero.com

**Via:** Ground

**Pynt Terms:** Net 60

**Freight Terms:**

**Special Comments:**

### Items

| Line Item                   | Job    | Part     | Drawing        | Description                                                                                                                                                                  | Status        | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|-----------------------------|--------|----------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 1                           | 213478 | 647.7919 | 647.7900       | Shim<br>: Various STC's<br>Outsource process-<br>Anodize per QSI017<br>4.1.10.1 - ISSUE<br>P/O:<br>HARD ANODIZE,<br>COLOR BLACK AS<br>PER DWG.(SEE<br>NOTE 2)                | Firmed<br>X12 |         | 10/1/20  | 12 pcs         | 0 pcs             | 12 pcs  | \$14.33/pcs      | \$171.96       |
| Line Item Note *** RUSH *** |        |          |                |                                                                                                                                                                              |               |         |          |                |                   |         |                  |                |
| 2                           | 211965 | 646.3711 | 646.3700 Rev A | Clip<br>: Various STC's<br>(Outsource process-<br>Anodize per QSI017<br>4.1.10.1)<br>Issue P/O to ATG :<br><br>Hard Black Anodize<br>and Prime as per Dwg<br>646.3700 Rev. A | Firmed<br>X9  |         | 10/1/20  | 9 pcs          | 0 pcs             | 9 pcs   | \$8.48/pcs       | \$76.32        |
| Grand Total:                |        |          |                |                                                                                                                                                                              |               |         |          |                |                   |         |                  | \$248.28       |



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**PURCHASE ORDER**  
**POHB047213**



**Order Notes**

**Procurement Quality Clauses**

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)

A022 Apical Processing  
A024 process certifications  
A026 certification of material conformance

A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Please ensure to send the related invoice to [hby\\_ap@dartaero.com](mailto:hby_ap@dartaero.com).

Plex 10/6/20 11:44 AM dart.lussier.patrick





A.T.G. Industries Inc.  
760 Industrielle Street  
Rockland, ON K4K 1T2  
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

To

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7

### Pack List

Number: 920910

Date: 06-Oct-20

Ship To

Patrick Lussier  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

| Terms                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                  | Ship Via     |                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------|
|                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                  | ATG Delivery |                                 |
| Quantity                                                                                                                                                                                                                                                                                                                                   | Description                                                                                                                                                                                                                                                                      |              |                                 |
|                                                                                                                                                                                                                                                                                                                                            | Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.                                                                                                                                  |              |                                 |
| 12<br>ea                                                                                                                                                                                                                                                                                                                                   | Part: 647.7919<br>Shim<br>Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils)<br>Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing.<br><br>Batch/Lot#: 5286641<br>Job: 28218<br>PO: POHB047213 | Rev: N/C     | Expiry Date: 5/16/22<br>Line: 1 |
| 9<br>ea                                                                                                                                                                                                                                                                                                                                    | Part: 646.3711<br>Clip<br>Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils)<br>Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing.<br><br>Batch/Lot#: 5286641<br>Job: 28214<br>PO: POHB047213 | Rev: A       | Expiry Date: 5/16/22<br>Line: 2 |
| <p>CERTIFICATE OF CONFORMANCE<br/>A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements.</p> <p>Date: <u>OCT 06 2020</u></p> <p>Certified Signature: _____</p> <p>Receiver Signature: _____</p> <p>A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing<br/>Made in Canada.</p> |                                                                                                                                                                                                                                                                                  |              |                                 |

DAS  
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OCT 06 2020

DART AEROSPACE LTD.



A.T.G. Industries Inc.  
760 Industrielle Street  
Rockland, ON K4K 1T2  
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

### Pack List

Number: 920910

Date: 06-Oct-20

#### To

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7

#### Ship To

Patrick Lussier  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

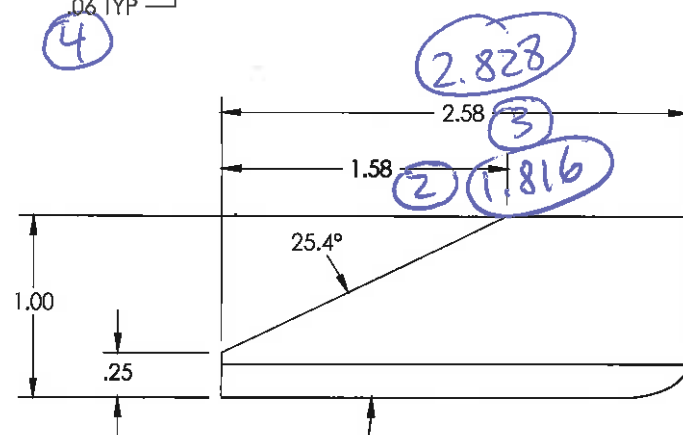
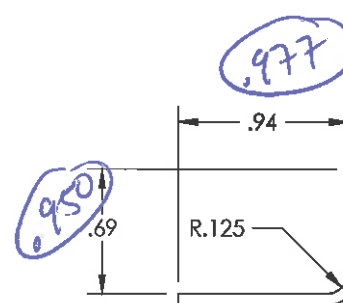
Fax: 613 632-1053

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| Terms    |                                                                                                                                                                                                    | Ship Via     |
|          |                                                                                                                                                                                                    | ATG Delivery |
| Quantity | Description                                                                                                                                                                                        |              |
|          | Accredited.                                                                                                                                                                                        |              |
|          | Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt. |              |
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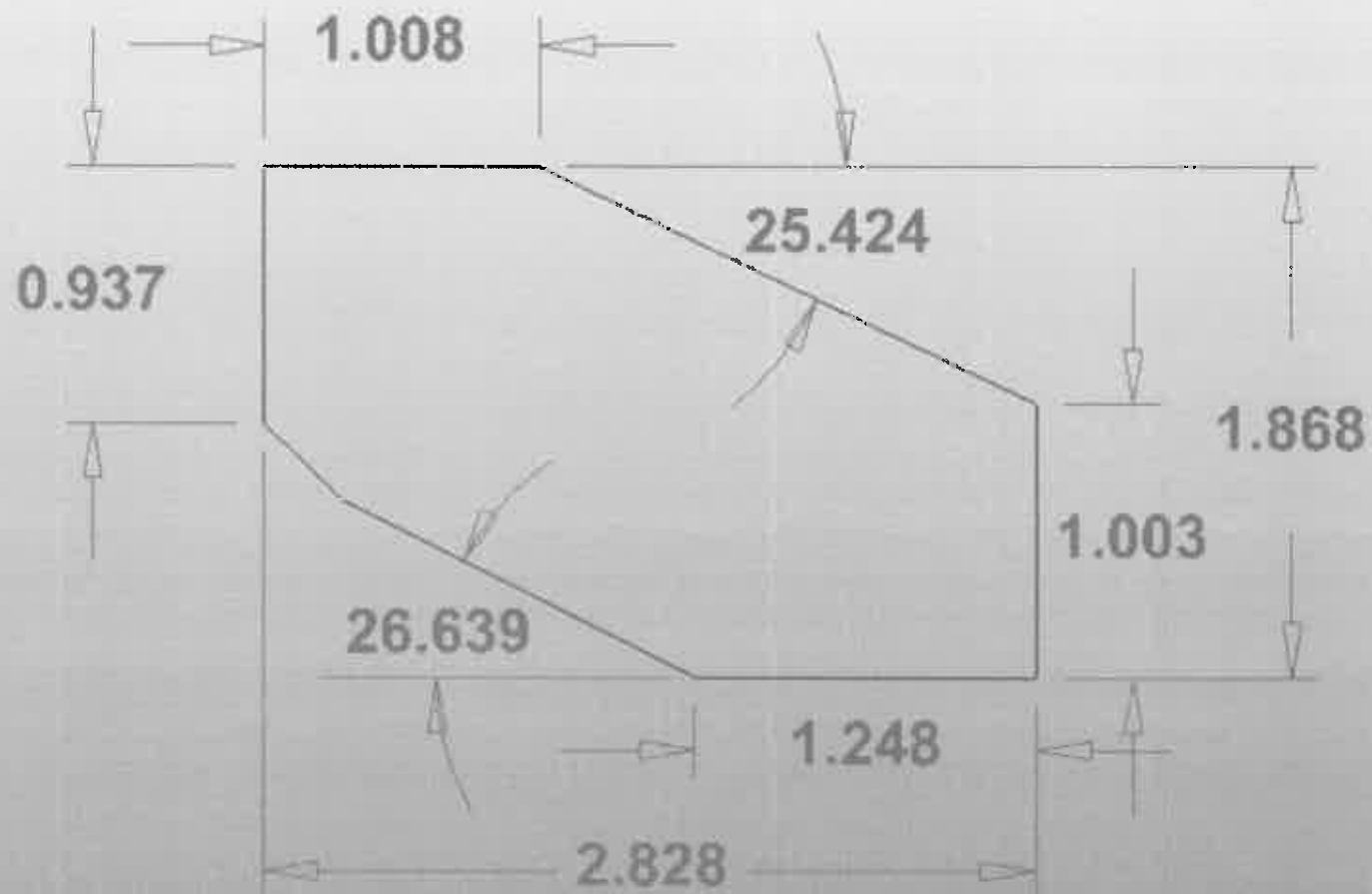
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| EN | GLINGTON | 403 | APR 22 |
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Technical drawing of a mechanical part. The part has a rectangular base with a width of 1.08 and a height of 0.75. The top surface is sloped at an angle of 26.6°. A dimension of 1.250 is indicated for the top width. A dimension of 0.06 TYP is indicated for the thickness of the base. A handwritten 'B' is present on the side of the part.

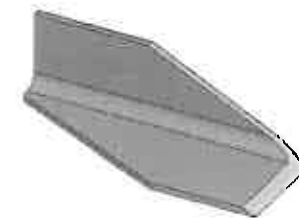
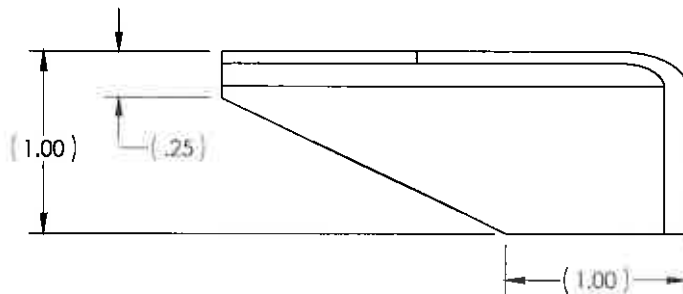
[illegible]

# 646.3711 FLAT PATTERN

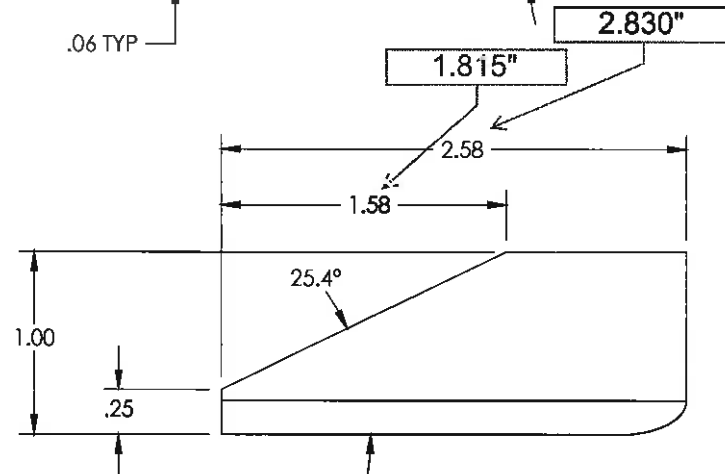
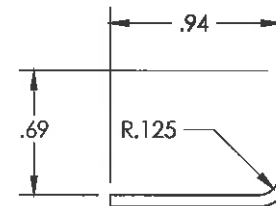
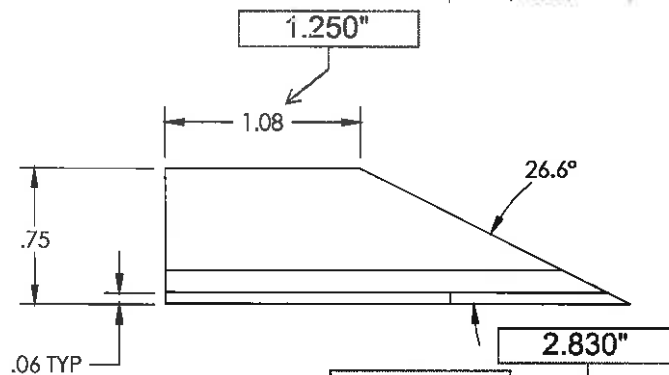


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES AND REPRODUCTION BY PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

| REV. | DESCRIPTION | DATE | APPROVED |
|------|-------------|------|----------|
|      |             |      |          |



646.3711 SHOWN  
646.3712 OPPOSITE



|               |                                                                                        |  |           |  |          |  |  |
|---------------|----------------------------------------------------------------------------------------|--|-----------|--|----------|--|--|
| NEXT ASSY (S) | DESIGNED FOR                                                                           |  | BY (DATE) |  |          |  |  |
|               | PROJECT                                                                                |  | 1.0000    |  |          |  |  |
| REVISIONS     | 1.0000                                                                                 |  | 1.0000    |  |          |  |  |
|               | APICAL INDUSTRIES<br>2008 TEMPLE HEIGHTS DR.<br>OCEANIDE, CA 92056-3512 (760) 724-5000 |  |           |  |          |  |  |
| SHEETMETAL    |                                                                                        |  |           |  |          |  |  |
|               |                                                                                        |  |           |  | 646.3700 |  |  |
| SCALE: NONE   |                                                                                        |  |           |  |          |  |  |
|               |                                                                                        |  |           |  | A        |  |  |

## Guillaume Gamache-Beauchamp

---

**From:** Jean Francois Sauve  
**Sent:** 13 octobre 2020 09:34  
**To:** David Duval  
**Subject:** RE: 646.3711 FLat Pattern  
**Attachments:** 646.3711 DIM VIEW.jpg

---

**From:** David Duval <dduval@dartaero.com>  
**Sent:** October-07-20 2:41 PM  
**To:** Jean Francois Sauve <jfsauve@dartaero.com>  
**Subject:** FW: 646.3711 FLat Pattern

---

**From:** Jean-Luc Menard <jmenard@dartaero.com>  
**Sent:** Monday, January 07, 2013 9:10 AM  
**To:** David Duval <dduval@dartaero.com>; David Duval <dduval@dartaero.com>  
**Subject:** FW: 646.3711 FLat Pattern

---

**From:** David Duval [mailto:dduval@dartaero.com]  
**Sent:** Thursday, December 20, 2012 1:31 PM  
**To:** jmenard@dartaero.com  
**Subject:** RE: 646.3711 FLat Pattern

What do you want me to do with this?

---

**From:** jmenard@dartaero.com [mailto:jmenard@dartaero.com]  
**Sent:** Thursday, December 20, 2012 12:18 PM  
**To:** David Duval  
**Subject:** Fw: 646.3711 FLat Pattern

Sent from my BlackBerry device on the Rogers Wireless Network

---

**From:** "Brandon Peters" <bpeters@apicalindustries.com>  
**Date:** Thu, 20 Dec 2012 09:06:38 -0800  
**To:** <jmenard@dartaero.com>  
**Subject:** 646.3711 FLat Pattern

JL,

Here is the flat pattern file.

Happy Holidays!

Brandon Peters



Container No: S295905



Part: 646.3711

Job No: 211965

Serial No/Batch: S295905

Revision: Rev A

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 819 832-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 06/25/20

Entered: TR Date: OCT 27 2020



NCR No. 20-8625 **WORK ORDER NON-CONFORMANCE / ROUTE UPDATE**

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                           |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Job: <u>211965</u><br><br>Part No. <u>646 3711</u>                                                                                                                                                                                                                                                                                                                                                 | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input checked="" type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input checked="" type="checkbox"/><br/>             Finishing <input type="checkbox"/> </div> <div>             Eng. (Non-AW) <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Water Jet <input type="checkbox"/><br/>             Supplier <input type="checkbox"/><br/>             Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                           |  |
| Date: <u>11/09/2020</u>                                                                                                                                                                                                                                                                                                                                                                            | Sequence #: <u>140</u>                                                                                                                       | QTY Affected: <u>603</u><br><u>7</u> <u>SEP 14 2020</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | MRB (QSD42)<br>DAS 9<br>9-89 <u>20-10-14</u>                                                                                                                                              |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                              | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Completed By<br><u>Borin Gual</u><br><b>SEP 11 2020</b><br><br>Lead hand / Supervisor<br><br>DAS 58<br>9-89 <b>SEP 11</b><br><br>QC / QA Coordinator<br><br>DAS 9<br>9-89 <u>20-10-14</u> |  |
| <u>Bad bend</u>                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                              | <u>Scrap &amp; destroy</u><br><br><u>Drawing need to be update</u><br><u>↳ see other NCF.</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                           |  |
| <b>Root Cause</b><br><br>Operator <input checked="" type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                                                                                                                                              | <b>FAULT CATEGORY</b><br><div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Pressure/Forced<br/> <input checked="" type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled             </div> <div> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function             </div> <div> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up             </div> <div> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread             </div> </div> |  |                                                                                                                                                                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                              | Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                           |  |



Entered: 28 Date: OCT 20 2020



NCR No. 20-8583 **WORK ORDER NON-CONFORMANCE / ROUTE UPDATE**

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Job: <u>211965</u><br><br>Part No. <u>646.3711</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input checked="" type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input checked="" type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                      |
| Date : <u>OCT 08 2020</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sequence #: <u>QC 6</u>                                                                                                                      | QTY Affected : <u>9 pcs</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | MRB (QSI042)<br>DAS 9<br>9-89 <u>20-10-14</u>                                                                                                                        |
| <b>Description Work Order Deviation</b><br><br>DURING INSPECTION IT WAS FOUND THAT THE DIMENSIONS ARE OUTSIDE TOLERANCE. I COULD NOT FIND A FLAT PATTERN DRAWING BUT THE PART DIMENSIONS DON'T MATCH THE FAI / PART SPECIFICATIONS.<br><br>1- 1.08 +/- .010 IS 1.250<br>2- 1.58 +/- .010 IS 1.815<br>3- 2.58 +/- .010 IS 2.830                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                              | <b>Disposition</b><br><br><u>Parts accepted base on email attach, and no issues reported since 2013.</u><br><br><u>Open ECH to review drawing.</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Completed By<br>DAS <u>82</u> <u>OCT 08 2020</u><br>9-89<br><br>Lead hand / Supervisor<br><br><u>D 20-10-16</u><br><br>QC / QA Coordinator<br><br><u>PD 20-10-16</u> |
| <b>Root Cause</b><br><br><div style="display: flex;"> <div style="flex: 1;">           Operator <input type="checkbox"/><br/>           Manufacturing Process <input checked="" type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Preservation <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Human Factors <input type="checkbox"/> </div> <div style="flex: 1;">           Pressure/Forced <input type="checkbox"/><br/>           Bending <input type="checkbox"/><br/>           Crushing <input type="checkbox"/><br/>           Cracks <input type="checkbox"/><br/>           Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/><br/>           Marks/Chatter <input type="checkbox"/><br/>           Mislabeled <input type="checkbox"/> </div> </div> |                                                                                                                                              | <b>FAULT CATEGORY</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Contamination <input type="checkbox"/><br/>           Misaligned/off center <input type="checkbox"/><br/>           BOM/Route <input type="checkbox"/><br/>           Broken/Damage/Defect <input type="checkbox"/><br/>           Incomplete/Unclear Instructions <input type="checkbox"/><br/>           Drill Holes <input type="checkbox"/><br/>           Fit/Function <input type="checkbox"/> </div> <div>           Power Loss/Surge <input type="checkbox"/><br/>           Folio/Program <input type="checkbox"/><br/>           Grain Direction <input type="checkbox"/><br/>           Weld <input type="checkbox"/><br/>           Wrong Stock Pulled <input type="checkbox"/><br/>           Out of Sequence <input type="checkbox"/><br/>           Off-set/Set-up <input type="checkbox"/> </div> <div>           Positioned Wrong <input type="checkbox"/><br/> <input checked="" type="checkbox"/> Outside Tolerance<br/>           Drawing <input type="checkbox"/><br/>           Finish <input type="checkbox"/><br/>           Part Lost/Missing <input type="checkbox"/><br/>           Misread <input type="checkbox"/> </div> </div> |  |                                                                                                                                                                      |
| Other/Details:<br><br><u>no flat pattern detail.</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                      |